

Evaluation of the Municipal and Domestic Supply (MUN) Beneficial Use in Agriculturally Dominated Surface Water Bodies



January 14, 2015
Stakeholder Meeting

Meeting Purpose

Answer questions and obtain stakeholder comments on:

Draft Proposed Basin Plan Amendment to Remove the Municipal and Domestic Supply (MUN) Beneficial Use in Twelve Constructed and/or Modified Water Bodies in the Sacramento River Basin that Receive Treated Municipal Wastewater from the Cities of Biggs, Colusa, Live Oak or Willows

Agenda

- Brief Background
- Review proposed Basin Plan Amendment language
- Questions/comments on Draft Staff Report
- Project Schedule/Future Meetings

Background

- Incorporation of the Sources of Drinking Water Policy (Resolution 88-63) into Basin Plans
 - All water bodies are designated with Municipal and Domestic Supply (MUN) beneficial use unless they are specifically listed in the Basin Plans as NOT designated with the MUN beneficial use
- Certain exceptions apply, but a formal Basin Plan Amendment is required

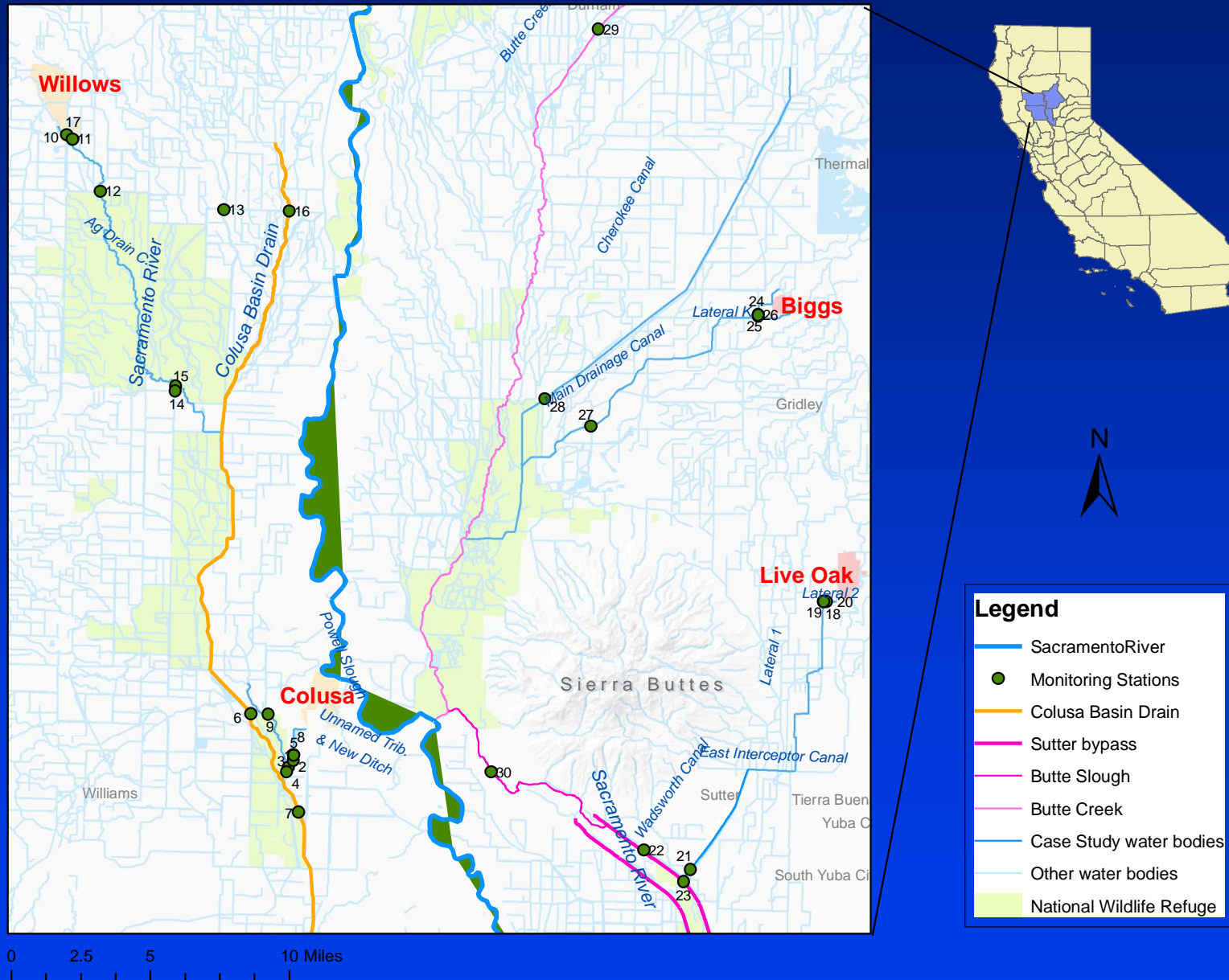
Background

- Basin Plans identify primary and secondary Maximum Contaminant Levels (MCLs) as the appropriate water quality objective to protect MUN
- Appropriate designation and level of protection of MUN in Ag dominated water bodies became an elevated issue
 - NPDES permit renewals
 - CV-SALTS

Background

- Case studies – Ag dominated water bodies that receive treated municipal wastewater from cities of Biggs, Colusa, Live Oak or Willows
- Twelve Ag dominated constructed and/or modified water bodies
 - ◆ Four on west side of the valley that drain into Colusa Basin Drain
 - ◆ Eight on east side of the valley that drain into Sutter Bypass

Sacramento River Basin Study Area



Background

- Sutter Bypass and Colusa Basin Drain are not designated with the Municipal or Domestic Supply (MUN) Beneficial Use
- Twelve water bodies meet Exception 2b in Sources of Drinking Water Policy (Resolution 88-63) because they were constructed or modified to convey agricultural drainage

Basin Plan Amendment Language

Proposed Basin Plan Amendment Language (Chapter 2 Beneficial Uses):

Water Bodies within the basins that do not have beneficial uses designated in Table II-1 are assigned MUN designations in accordance with the provisions of State Water Board Resolution No. 88-63 which is, by reference, a part of this Basin Plan, except as provided below:

- Old Alamo Creek (Solano County) from its headwaters to the confluence with New Alamo Creek
- ~~Sulphur Creek (Colusa County) from Schoolhouse Canyon to the confluence with Bear Creek~~
- *Water bodies listed in Appendix 44, Water Bodies That Meet One or More Sources of Drinking Water Policy (Resolution 88-63) Exceptions*

Basin Plan Amendment Language

Proposed Basin Plan Amendment Language (cont.):

These MUN designations in no way affect the presence or absence of other beneficial use designations in these water bodies. In making any exemptions to the beneficial use designation of MUN, the Regional Board will apply the exceptions listed in Resolution 88-63 (Appendix Item 8) and the excepted water bodies will be listed in Appendix 44.

Basin Plan Amendment Language

Staff recommends adopting the following table into the Basin Plan as Appendix 44, Water Bodies That Meet One or More of the Sources of Drinking Water Policy (Resolution 88-63) Exceptions. Since Central Valley Water Board Resolution R5-2007-0021 removed the MUN beneficial use from Sulphur Creek in Colusa County for meeting an exception in the Sources of Drinking Water Policy, Sulphur Creek has been removed from page II-2.01 of the Basin Plan and added to the table along with the twelve water bodies evaluated in this Basin Plan Amendment.

Basin Plan Amendment Language

County	Water Body Name	Description	Approximate GIS Coordinates (WGS84 Datum)	
			Starting Location	Ending Location
Butte	Cherokee Canal	Cherokee Canal runs southwest from the Richvale area (near Nelson Shippee Road) to Butte Creek, west of the City of Live Oak	(39.537741, -121.707079)	(39.285685, -121.921656)
Butte	Lateral K	Lateral K is part of Reclamation District 833 and starts near 8 th Street in the City of Biggs and travels southwest past the City of Bigg's Wastewater Treatment Plant to the Main Drainage Canal	(39.421894, -121.71297)	(39.406837, -121.725361)
Butte	Main Drainage Canal	The Main Drainage Canal (also known as the Main Drain C) is part of Reclamation District 833 and starts on the south end of the City of Biggs near Trent Street and runs southwest to the Cherokee Canal	(39.41041, -121.704258)	39.327924, -121.882067
Colusa	New Ditch (2011)	New Ditch (2011) starts near the south end of the Colusa Wastewater Treatment Plant and runs south, parallel to the unnamed tributary, until the two water bodies join near the effluent outfall and weir.	(39.180224, -122.031358)	(39.174267, -122.031274)
Colusa	Powell Slough	Powell Slough begins just north of Highway 20, downstream of Hopkins Slough, and runs south until its confluence with the Colusa Basin Drain.	(39.211133, -122.062955)	(39.161267, -122.038445)
Colusa	Sulphur Creek	Lower two miles from Schoolhouse Canyon to its confluence with Little Bear Creek.	39.035631, -122.437619	39.040144, -122.408168
Colusa	unnamed tributary (to Powell Slough)	unnamed tributary to Powell Slough starts near Will S. Green Avenue and runs west and southwest to Powell Slough	(39.188028 ,-122.02328)	(39.166857, -122.034722)
Glenn	Ag Drain C	Glenn-Colusa Irrigation District's Ag Drain C (segments also known as North Fork Logan Creek and Logan Creek) runs southeast from Highway 5 near Highway 99W through the Sacramento Wildlife Refuge to the Colusa Basin Drain	(39.498519, -122.199216)	(39.356401, -122.082675)
Sutter	East Interceptor Canal	The East Interceptor Canal starts at Pease Road and runs west until it meets the Wadsworth Canal.	(39.170745, -121.670588)	(39.171003, -121.727014)
Sutter	Lateral 1	Lateral 1 is part of Reclamation District 777 and starts near the City of Live Oak's Wastewater Treatment Plant and runs south and west to the Western Intercepting Canal.	(39.257501, -121.678718)	(39.201248, -121.696329)
Sutter	Lateral 2	Lateral 2 is part of Reclamation District 777. It starts on the south end of the City of Live Oak near Treatment Plant Access Road and runs south and then west past the City of Live Oak's Treatment Plant outfall until it meets Lateral 1.	(39.264739, -121.669314)	(39.257501, -121.678718)
Sutter	Western Intercepting Canal (not to be confused with West Interceptor Canal)	Western Interceptor Canal is under shared management between Reclamation District 777 and Reclamation District 2056. It starts south of Sanders Road and runs south until it meets the East Interceptor Canal.	(39.201248, -121.696329)	(39.17092, -121.695374)
Sutter	Wadsworth Canal	The Wadsworth Canal starts just north of Butte House Road and runs southwest until it	(39.171003 -121.727014)	(39.113605 -121.768985)

Basin Plan Amendment Language

Proposed Basin Plan Amendment Language (Chapter IV Implementation):

Where the Regional Water Board finds that one of the exceptions applies, it may remove the municipal and domestic supply beneficial use designation for the particular body of water through a formal Basin Plan amendment and a public hearing, followed by approval of such an amendment by the State Water Board and the Office of Administrative Law. See Appendix Item 8 *for Resolution 88-63 exceptions and Appendix 44 for water bodies that meet the exceptions.*

Basin Plan Amendment Language

The proposed changes to the Basin Plan's Chapter V Surveillance and Monitoring (page V-1.00) under heading Data Collected by Other Agencies are as follows:

The Regional Water Board currently relies on internal staff coordination and compilation of data collected by a variety of other agencies to augment data collected by internal programs in order to assess ambient water quality conditions and program effectiveness. For example, the Department of Water Resources (DWR) has an ongoing monitoring program in the Delta and the United States Geological Survey (USGS) and DWR conduct monitoring in some upstream rivers. The Department of Fish and Wildlife, Fish and Wildlife Service, USGS, and State Water Board Division of Drinking Water also conduct special studies and collect data, as do local entities such as water purveyors, county health departments and wastewater treatment plants.

Basin Plan Amendment Language

The proposed changes to the Basin Plan's Chapter V Surveillance and Monitoring (page V-1.00) under heading Data Collected by Other Agencies are as follows (continuation):

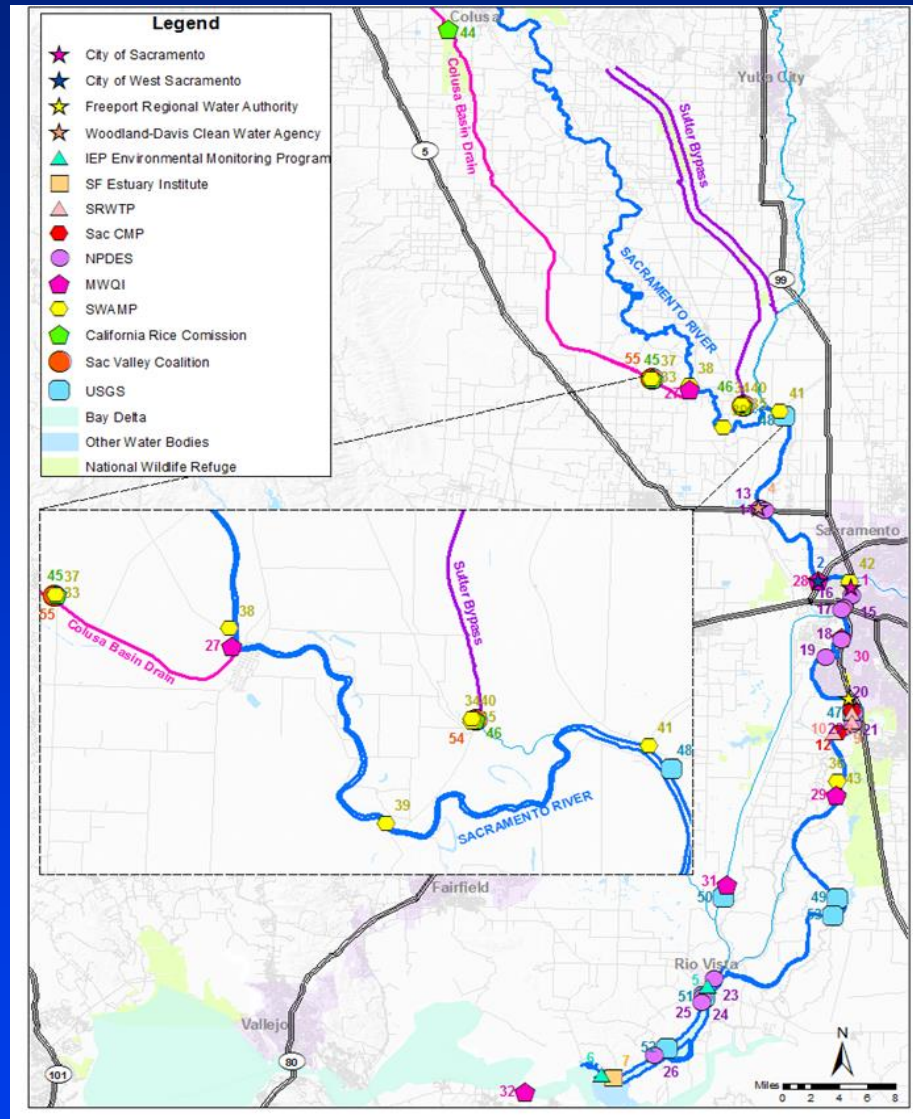
The long-term goal is to have a system in place that facilitates consolidation of information gathered from all agencies in a format that can be readily utilized to provide the foundation for regular assessments of ambient surface water quality conditions and program effectiveness including support of updates to the California Integrated Report (Clean Water Act Sections 303(d)/305(b)) which provides a water quality conditions assessment of surface water bodies.

Review of Staff Report

Basin Plan Amendment Alternatives

Project Alternatives	Beneficial Use Designation Components	Water Quality Objective Components	Implementation Components	Monitoring/ Surveillance (M/S) Components
1. No Action	No Change in MUN Beneficial Use Designation	No New Water Quality Objectives (WQOs)	No New Implementation Program	No New Monitoring and Surveillance Program
2. Application of the Sources of Drinking Water Policy (Resolution 88-63) Exception 2b	Use the Sources of Drinking Water Policy (State Resolution 88-63) Exception 2b and supporting evidence to dedesignate MUN	MUN WQOs will no longer apply to these water bodies	Existing Regulatory Programs to Implement	a. NO ACTION (UTILIZE EXISTING MONITORING EFFORTS)
				b. SELECTED MONITORING TO FILL DATA GAPS
				c. DEVELOP NEW MONITORING PROGRAM FOCUSED ON IMPACTS FROM AFFECTED WATER BODY DISCHARGES
3. Development of Site Specific Objectives (SSOs)	No Change in MUN Beneficial Use Designation	Develop Individual Site Specific Objectives (SSOs)	Existing Regulatory Programs to Implement	Develop M/S program through the NPDES and ILRP permit process

Basin Plan Amendment Monitoring/Surveillance



Basin Plan Amendment

Monitoring/Surveillance

- Extensive monitoring by many agencies downstream to the Delta
 - ILRP
 - NPDES
 - SWAMP
 - Municipal Water Quality Investigations (MWQI)
 - USGS
 - Sacramento Coordinated Monitoring Program
 - State Water Board Division of Drinking Water Source Water Monitoring
- Need for more coordinated efforts to collect and review water quality information, especially for CEDEN and California Integrated Report

Basin Plan Amendment

Other Elements

- Consistency with other Plans and Policies
 - Antidegradation Analysis
- Environmental Review/CEQA Checklist
- Economic Analysis

Additional Comments or Questions?

Schedule and Future Meetings

Sacramento

Basin Plan Amendment

- Basin Plan Amendment Hearing – **February 5/6 2015** (Rancho Cordova)
- Written comment period ends **February 20, 2015**
- Basin Plan Amendment Hearing to consider adoption – **April 16/17 2015**(Fresno)

Sacramento POTW Basin Plan Amendment

Activity	2011		2012				2013				2014				2015			
	N	D	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Strategic Planning																		
Compile Background																		
Survey Conditions/Uses																		
Initial Alternatives/CEQA Scoping																		
Design/Conduct/Assess Monitoring																		
Refine Alternatives																		
Prepare Staff Rpt/SED																		
Public Review																		
Peer Review																		
Regional Board Adoption																		
State Board Approval																		
OAL Approval																		

 = updated timeline

Region-wide MUN Evaluation Process

Basin Plan Amendment

- Next Stakeholder Meeting – to be scheduled for late February/early March 2015
- Basin Plan Amendment Workshop – April 16/17 2015 (Fresno)

Questions/Comments?

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